

=> d his

(FILE 'HOME' ENTERED AT 13:16:24 ON 12 DEC 2001)

FILE 'REGISTRY' ENTERED AT 13:16:30 ON 12 DEC 2001

FILE 'REGISTRY' ENTERED AT 13:16:46 ON 12 DEC 2001

L1 STRUCTURE UPLOADED

L2 0 S L1

L3 11 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 13:17:54 ON 12 DEC 2001

L4 4 S L3

L5 2 S L4 AND OHKUBO, M?/AU

FILE 'REGISTRY' ENTERED AT 13:21:22 ON 12 DEC 2001

L6 STRUCTURE UPLOADED

L7 3 S L6

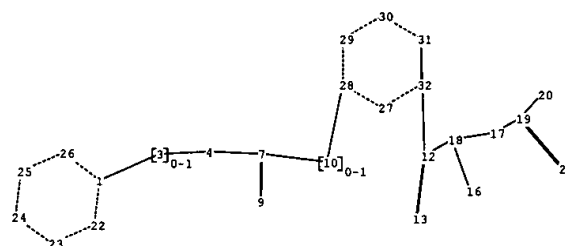
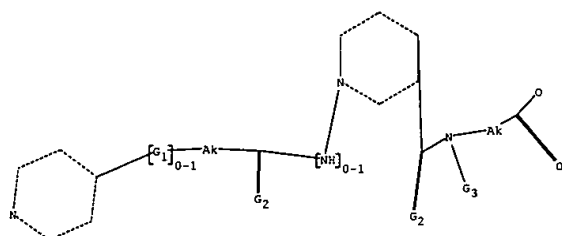
FILE 'HCAPLUS' ENTERED AT 13:22:40 ON 12 DEC 2001

=> s l4 not l5

L8 2 L4 NOT L5

=> s l8 and pd < october 1993

13748371 PD < OCTOBER 1993  
(PD<19931000)



chain nodes :

3 4 7 9 10 12 13 16 17 18 19 20 21

ring nodes :

1 22 23 24 25 26 27 28 29 30 31 32

chain bonds :

1-3 3-4 4-7 7-9 7-10 10-28 12-18 12-13 12-31 16-18 17-18 17-19 19-20 19-21

ring bonds :

1-22 1-26 22-23 23-24 24-25 25-26 27-28 27-32 28-29 29-30 30-31 31-32

exact/norm bonds :

1-3 1-22 1-26 3-4 4-7 7-9 7-10 10-28 12-18 12-13 16-18 17-18 17-19 19-20  
19-21 22-23 23-24 24-25 25-26 27-28 27-32 28-29 29-30 30-31 31-32

exact bonds :

12-31

G1:O,S,NH

G2:O,S

G3:H,Ak

Match level :

1:Atom 3:CLASS 4:CLASS 7:CLASS 9:CLASS 10:CLASS 12:CLASS 13:CLASS 16:CLASS  
17:CLASS 18:CLASS 19:CLASS 20:CLASS 21:CLASS 22:Atom 23:Atom 24:Atom 25:Atom  
26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:Atom 32:Atom

Element Count :

Node 1: Limited  
C,C5  
N,N1

Node 22: Limited  
C,C5  
N,N1

Node 23: Limited  
C,C5  
N,N1

Node 24: Limited  
C,C5  
N,N1

Node 25: Limited  
C,C5  
N,N1

Node 26: Limited  
C,C5  
N,N1

Welcome to STN International! Enter x:x

LOGINID:sssptal612BXR

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*  
 SESSION RESUMED IN FILE 'HCAPLUS' AT 13:21:16 ON 12 DEC 2001  
 FILE 'HCAPLUS' ENTERED AT 13:21:16 ON 12 DEC 2001  
 COPYRIGHT (C) 2001 AMERICAN CHEMICAL SOCIETY (ACS)  
 COST IN U.S. DOLLARS

	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	16.60	150.93

	SINCE FILE	TOTAL
	ENTRY	SESSION
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)		
CA SUBSCRIBER PRICE	-1.18	-1.18

=> file reg

	SINCE FILE	TOTAL
	ENTRY	SESSION
COST IN U.S. DOLLARS		
FULL ESTIMATED COST	16.60	150.93

	SINCE FILE	TOTAL
	ENTRY	SESSION
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)		
CA SUBSCRIBER PRICE	-1.18	-1.18

FILE 'REGISTRY' ENTERED AT 13:21:22 ON 12 DEC 2001  
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
 COPYRIGHT (C) 2001 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 10 DEC 2001 HIGHEST RN 374668-20-9  
 DICTIONARY FILE UPDATES: 10 DEC 2001 HIGHEST RN 374668-20-9

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when  
 conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES  
 for more information. See STN Note 27, Searching Properties in the CAS  
 Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

Uploading 9865420e.str

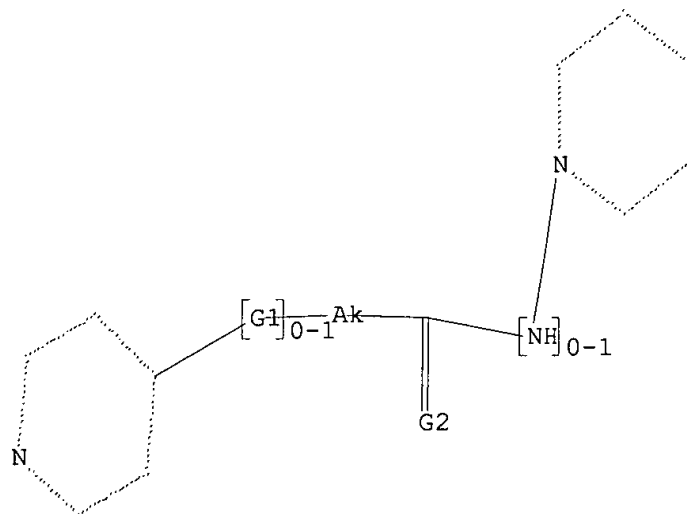
L6 STRUCTURE UPLOADED

=> d 16

L6 HAS NO ANSWERS

L6

STR



G1 O, S, NH

G2 O, S

G3 H, Ak

Structure attributes must be viewed using STN Express query preparation.

=&gt; s 16

SAMPLE SEARCH INITIATED 13:21:51 FILE 'REGISTRY'  
 SAMPLE SCREEN SEARCH COMPLETED - 47319 TO ITERATE

2.1% PROCESSED 1000 ITERATIONS 3 ANSWERS  
 INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*INCOMPLETE\*\*  
 BATCH \*\*INCOMPLETE\*\*

PROJECTED ITERATIONS: 933506 TO 959254  
 PROJECTED ANSWERS: 2125 TO 3553

L7 3 SEA SSS SAM L6

=&gt; d his

(FILE 'HOME' ENTERED AT 13:16:24 ON 12 DEC 2001)

FILE 'REGISTRY' ENTERED AT 13:16:30 ON 12 DEC 2001

FILE 'REGISTRY' ENTERED AT 13:16:46 ON 12 DEC 2001

L1 STRUCTURE UPLOADED

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L3 11 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 13:17:54 ON 12 DEC 2001

L4 4 S L3

L5 2 S L4 AND OHKUBO, M?/AU

FILE 'REGISTRY' ENTERED AT 13:21:22 ON 12 DEC 2001

L6 STRUCTURE UPLOADED

L7 3 S L6

=> d 11

L1 HAS NO ANSWERS

L1 STR

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

Structure attributes must be viewed using STN Express query preparation.

=> d 14 not 15

L5 IS NOT VALID HERE

For an explanation, enter "HELP DISPLAY".

=> file hcaplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.74	151.67
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-1.18

FILE 'HCAPLUS' ENTERED AT 13:22:40 ON 12 DEC 2001  
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Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications.

FILE COVERS 1947 - 12 Dec 2001 VOL 135 ISS 25  
 FILE LAST UPDATED: 10 Dec 2001 (20011210/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

HCAplus now provides online access to patents and literature covered in CA from 1947 to the present. On April 22, 2001, bibliographic information and abstracts were added for over 2.2 million references published in CA from 1947 to 1966.

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FILE 'HCAPLUS' ENTERED AT 13:22:40 ON 12 DEC 2001

=> s 14 not 15

L8 2 L4 NOT L5

=> s 18 and pd < october 1993

13748371 PD < OCTOBER 1993

(PD<19931000)

L9 0 L8 AND PD < OCTOBER 1993

=> d 15, ibib abs fhitr, 1-2

L5 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1996:731970 HCAPLUS

DOCUMENT NUMBER: 126:8001

TITLE: Preparation of

[(N-acylpiperidinyl)carbonylamino]carbo  
xylates as glycoprotein IIb/IIIa antagonists and  
platelet aggregation inhibitors

INVENTOR(S): Ohkubo, Mitsuru; Takahashi, Fumie; Yamanaka,  
Toshio; Kato, Masayuki

PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Japan

SOURCE: PCT Int. Appl., 143 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9629309	A1	19960926	WO 1996-JP643	19960314
W: AU, CA, CN, HU, JP, KR, MX, NZ, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2215106	AA	19960926	CA 1996-2215106	19960314
AU 9649542	A1	19961008	AU 1996-49542	19960314
EP 869944	A1	19981014	EP 1996-906017	19960314
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
JP 11502224	T2	19990223	JP 1996-528273	19960314
TW 406079	B	20000921	TW 1996-85103157	19960316
PRIORITY APPLN. INFO.:			GB 1995-5437	A 19950317
			GB 1995-24266	A 19951128
			WO 1996-JP643	W 19960314

OTHER SOURCE(S): MARPAT 126:8001

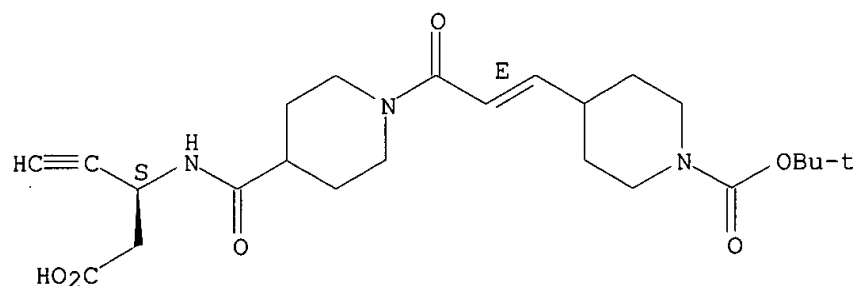
AB R1Z1COZNHZ2R2 [R1 = (N-protected)piperidyl, -tetrahydropyridyl, -azetidyl, -tetrahydroisoquinolyl; R2 = (protected)carboxy; Z = bond, R1Z1CO-N-attached piperidinediyl, tetrahydroisoquinolinediyl; Z1 = (cyclo)alkylene, alkenylene, arylene, etc.; Z2 = (un)substituted alkylene or arylene] were prepd. Thus, N-[(R)-1-[3-(4-piperidyl)-(E)-acryloyl]-3-piperidylcarbonyl]-3(R)-phenethyl-.beta.-alanine hydrochloride had IC50 of 0.085.mu.M against ADP-induced platelet aggregation in vitro.

IT **183806-76-0P**  
 RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (prepn. of [(N-acylpiperidinyl)carbonylamino]carboxylates as glycoprotein IIb/IIIa antagonists and platelet aggregation inhibitors)

RN 183806-76-0 HCAPLUS

CN 1-Piperidinecarboxylic acid, 4-[3-[4-[[[1-(carboxymethyl)-2-propynyl]amino]carbonyl]-1-piperidinyl]-3-oxo-1-propenyl]-, 1-(1,1-dimethylethyl) ester, [S-(E)]- (9CI) (CA INDEX NAME)

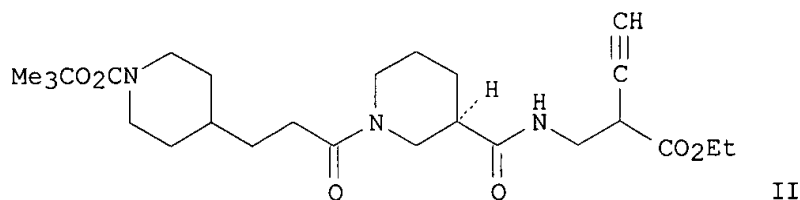
Absolute stereochemistry.  
 Double bond geometry as shown.





ACCESSION NUMBER: 1995:886010 HCAPLUS  
 DOCUMENT NUMBER: 123:285788  
 TITLE: Preparation of N-(3-piperidinylcarbonyl)-.beta.-alanine derivatives as PAF antagonists  
 INVENTOR(S): Ohkubo, Mitsuru; Takahashi, Fumie; Yamanaka, Toshio; Sakai, Hiroyoshi; Kato, Masayuki  
 PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Japan  
 SOURCE: PCT Int. Appl., 183 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9508536	A1	19950330	WO 1994-JP1550	19940921
W: AU, CA, CN, HU, JP, KR, RU, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9476657	A1	19950410	AU 1994-76657	19940921
AU 684547	B2	19971218		
ZA 9407350	A	19950510	ZA 1994-7350	19940921
EP 669912	A1	19950906	EP 1994-927076	19940921
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
CN 1116847	A	19960214	CN 1994-190981	19940921
CN 1041919	B	19990203		
HU 73174	A2	19960628	HU 1995-1845	19940921
TW 401414	B	20000811	TW 1994-83108696	19940921
RU 2161155	C2	20001227	RU 1995-112456	19940921
EP 1106606	A2	20010613	EP 2001-102827	19940921
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE				
IL 111036	A1	19990714	IL 1994-111036	19940922
IL 126825	A1	19990922	IL 1994-126825	19940922
BR 9500966	A	19970513	BR 1995-966	19950322
JP 08053415	A2	19960227	JP 1995-174532	19950711
JP 10072490	A2	19980317	JP 1997-165961	19970623
JP 2998698	B2	20000111		
JP 2000103783	A2	20000411	JP 1999-249266	19970623
PRIORITY APPLN. INFO.:				
			GB 1993-19561	A 19930922
			GB 1994-13936	A 19940711
			EP 1994-927076	A3 19940921
			WO 1994-JP1550	W 19940921
			ZA 1994-7350	A 19940921
			IL 1994-111036	A3 19940922
			JP 1995-174532	A3 19950711
			JP 1997-165961	A3 19970623
OTHER SOURCE(S): MARPAT 123:285788				
GI				



AB R1X1A1COYmZ1A2nZA3R2 [I; A1 = (un)substituted alk(en)ylene, -alkylidene; A2 = alkylene; A3 = (un)substituted alkylene; R1 = (un)substituted N-contg. heterocyclyl; R2 = (protected) CO2H; X = O, S, NH; Y = NH; Z = CONR3, NR3CO, CO; R3 = H, alkyl; Z1 = N-attached heterocyclylene; l,m,n = 0 or 1] were prepd. Thus, (R)-Et nipecotate was amidated by 3-(1-tert-butoxycarbonyl-4-piperidyl)propionic acid and the sapond. product amidated by HC.tplbond.CCH(CH2NH2)CO2Et to give title compd. II. An unidentified I had IC100 of 1.0x10-6M against ADP-induced platelet aggregation in vitro.

IT **169496-10-0P**

RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn. of N-(3-piperidinylcarbonyl)-.beta.-alanine derivs. as PAF antagonists)

RN 169496-10-0 HCAPLUS

CN 1-Piperidinecarboxylic acid, 4-[3-[4-[(3-methoxy-3-oxopropyl)amino]carbonyl]-1-piperidinyl]-3-oxopropyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

